01472157 FRENCH CREEK NEAR PHOENIXVILLE, PA

LOCATION.--Lat $40^{\circ}09^{\circ}05^{\circ}$, long $75^{\circ}36^{\circ}06^{\circ}$, Chester County, PA, Hydrologic Unit 02040203, on right bank 70 ft down-

two-span county bridge on French Creek Road, 4.5 mi northwest of Phoenixville, and 7.3 mi upstream from mouth.

DRAINAGE AREA.--59.1 mi 2 .

PERIOD OF RECORD. -- October 1968 to current year.

PERIOD OF DAILY RECORD. --

WATER TEMPERATURE: November 1998 to August 1999.

INSTRUMENTATION.--Water-temperature data logger (in situ system; measurements recorded every 15 or 30 minutes) located at gage.

REMARKS.--These samples were collected as part of the Delaware River Basin National Water Quality Assessment Program

(NAWQA).

Fish tissue, bed sediment, and fish community data for this site are presented on page 463. Interruptions in the daily record were due to instrument vandalism or malfunction. For the definitions of the type of quality-control data

listed under SAMPLE TYPE, refer to "Quality-control data" in the "Explanation of Records" section.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

	DATE	TIME	SAME TYF	Έ	DIS- CHARGE INST. CUBIC FEET PER SECOND	E, METRI PRES- SURE (MM OF HG)	C DIS- SOLVI (PER- CENT SATUR- ATION)	ED OXYGEN, DIS- SOLVED (MG/L)	PH WATH WHOI FIELD (STAND- ARD UNITS)	CON- CON- DUCT- ANCE (US/CM)	IC TEMPER- ATURE AIR (DEG C)	TEMPER- ATURE WATER (DEG C)
				(00061)	(00025)	(00301)	(00300)	(00400)	(00095)	(00020)	(00010)
	NOV 1998											
	04 04	1145 1200	FIELD B ENVIRON		22	 760	104	12.0	 7.9	 172	 9.5	7.5
	DEC 09	1550	ENVIRON		28	765	104	11.9	8.4	167	12.0	8.5
	JAN 1999	1330	ENVIRON	MENIAL	26	703	102	11.9	0.1	107	12.0	0.5
	12 FEB	1500	ENVIRON	MENTAL	94	757	96	14.0	7.7	187	1.0	.0
	03	1430	ENVIRON	MENTAL	114	760	100	12.6	7.5	139	13.0	5.5
	MAR 03	1410	ENVIRON	мемтат.	56	746	107	12.8	7.8	151	17.0	7.0
	03 APR	1411		PEPLICATE								
	07 MAY	1410	ENVIRON	MENTAL	55	757	112	11.0	8.0	151	22.0	16.0
	05 JUN	1330	ENVIRON	MENTAL	45	750	114	10.4	8.0	151	24.5	19.0
	02 JUL	1430	ENVIRON	MENTAL	27	755	133	11.0	8.2	162	29.5	24.5
	01 AUG	1340	ENVIRON	MENTAL	15	758			8.2	161	26.0	23.0
	04	1430	ENVIRON		7.2				8.6	163	32.5	25.0
	31 SEP	0740	ENVIRON	MENTAL	10	764			7.8	194	19.5	17.0
	16	1820	ENVIRON	MENTAL	9370	738		8.9	7.3	64	16.5	
							ANC					
		HARD-	CALCTIIM	MAGNE-	POTAS-		UNFLTRD	LINITY	BONATE	BONATE	CHLO-	FLUO-
		HARD- NESS TOTAL	CALCIUM DIS-	MAGNE- SIUM, DIS-		SODIUM, DIS-	UNFLTRD	LINITY				FLUO- RIDE, DIS-
		NESS TOTAL (MG/L	DIS- SOLVED	SIUM, DIS- SOLVED	SIUM, DIS- SOLVED	SODIUM, DIS- SOLVED	UNFLTRD TIT 4.5 LAB (MG/L	LINITY WAT DIS TOT IT FIELD	BONATE WATER DIS IT FIELD	BONATE WATER DIS IT FIELD	CHLO- RIDE, DIS- SOLVED	RIDE, DIS- SOLVED
	DATE	NESS TOTAL (MG/L AS	DIS- SOLVED (MG/L	SIUM, DIS- SOLVED (MG/L	SIUM, DIS- SOLVED (MG/L	SODIUM, DIS- SOLVED (MG/L	UNFLTRD TIT 4.5 LAB (MG/L AS	LINITY WAT DIS TOT IT FIELD MG/L AS	BONATE WATER DIS IT FIELD MG/L AS	BONATE WATER DIS IT FIELD MG/L AS	CHLO- RIDE, DIS- SOLVED (MG/L	RIDE, DIS- SOLVED (MG/L
	DATE	NESS TOTAL (MG/L	DIS- SOLVED (MG/L AS CA)	SIUM, DIS- SOLVED (MG/L AS MG)	SIUM, DIS- SOLVED (MG/L AS K)	SODIUM, DIS- SOLVED	UNFLTRD TIT 4.5 LAB (MG/L AS CACO3)	LINITY WAT DIS TOT IT FIELD MG/L AS CACO3	BONATE WATER DIS IT FIELD MG/L AS HCO3	BONATE WATER DIS IT FIELD MG/L AS CO3	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	RIDE, DIS- SOLVED (MG/L AS F)
(00950		NESS TOTAL (MG/L AS CACO3)	DIS- SOLVED (MG/L AS CA)	SIUM, DIS- SOLVED (MG/L AS MG)	SIUM, DIS- SOLVED (MG/L AS K)	SODIUM, DIS- SOLVED (MG/L AS NA)	UNFLTRD TIT 4.5 LAB (MG/L AS CACO3)	LINITY WAT DIS TOT IT FIELD MG/L AS CACO3	BONATE WATER DIS IT FIELD MG/L AS HCO3	BONATE WATER DIS IT FIELD MG/L AS CO3	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	RIDE, DIS- SOLVED (MG/L AS F)
(00950))	NESS TOTAL (MG/L AS CACO3)	DIS- SOLVED (MG/L AS CA)	SIUM, DIS- SOLVED (MG/L AS MG)	SIUM, DIS- SOLVED (MG/L AS K)	SODIUM, DIS- SOLVED (MG/L AS NA)	UNFLTRD TIT 4.5 LAB (MG/L AS CACO3)	LINITY WAT DIS TOT IT FIELD MG/L AS CACO3	BONATE WATER DIS IT FIELD MG/L AS HCO3	BONATE WATER DIS IT FIELD MG/L AS CO3	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	RIDE, DIS- SOLVED (MG/L AS F)
(00950		NESS TOTAL (MG/L AS CACO3)	DIS- SOLVED (MG/L AS CA)	SIUM, DIS- SOLVED (MG/L AS MG)	SIUM, DIS- SOLVED (MG/L AS K)	SODIUM, DIS- SOLVED (MG/L AS NA)	UNFLTRD TIT 4.5 LAB (MG/L AS CACO3)	LINITY WAT DIS TOT IT FIELD MG/L AS CACO3	BONATE WATER DIS IT FIELD MG/L AS HCO3	BONATE WATER DIS IT FIELD MG/L AS CO3	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	RIDE, DIS- SOLVED (MG/L AS F)
(00950	NOV 1998 04 04 DEC	NESS TOTAL (MG/L AS CACO3) (00900)	DIS- SOLVED (MG/L AS CA) (00915)	SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SIUM, DIS- SOLVED (MG/L AS K) (00935	SODIUM, DIS- SOLVED (MG/L AS NA) 5) (00930	UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) () (9041)	LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 0) (3908	BONATE WATER DIS IT FIELD MG/L AS HCO3 6) (0045	BONATE WATER DIS IT FIELD MG/L AS CO3 53) (0045	CHLO- RIDE, SIDS- SOLVED (MG/L AS CL) 52) (009-	RIDE, DIS- SOLVED (MG/L AS F) 40)
(00950	NOV 1998 04 04	NESS TOTAL (MG/L AS CACC3) (00900)	DIS- SOLVED (MG/L AS CA) (00915)	SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SIUM, DIS- SOLVED (MG/L AS K) (00935	SODIUM, DIS- SOLVED (MG/L AS NA) 5) (00930	UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) () (9041	LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 0) (3908	BONATE WATER DIS IT FIELD MG/L AS HCO3 6) (0045	BONATE WATER DIS IT FIELD MG/L AS CO3 53) (0045	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (009-	RIDE, DIS- SOLVED (MG/L AS F) 40)
(00950	NOV 1998 04 04 DEC 09	NESS TOTAL (MG/L AS CACO3) (00900)	DIS- SOLVED (MG/L AS CA) (00915)	SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SIUM, DIS- SOLVED (MG/L AS K) (00935	SODIUM, DIS- SOLVED (MG/L AS NA) 5) (00930	UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) () (9041	LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 0) (3908	BONATE WATER DIS IT FIELD MG/L AS HCO3 6) (004!	BONATE WATER DIS IT FIELD MG/L AS CO3 53) (0049	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) 52) (009-	RIDE, DIS- SOLVED (MG/L AS F) 40)
(00950	NOV 1998 04 04 DEC 09 JAN 1999 12	NESS TOTAL (MG/L AS CACC3) (00900)	DIS- SOLVED (MG/L AS CA) (00915)	SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SIUM, DIS- SOLVED (MG/L AS K) (00935	SODIUM, DIS- SOLVED (MG/L AS NA) 5) (00930	UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) () (9041	LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 0) (3908	BONATE WATER DIS IT FIELD MG/L AS HCO3 6) (0045	BONATE WATER DIS IT FIELD MG/L AS CO3 53) (0045	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (009-	RIDE, DIS- SOLVED (MG/L AS F) 40)
(00950	NOV 1998 04 04 DEC 09 JAN 1999 12 FEB 03 MAR 03	NESS TOTAL (MG/L AS CACC3) (00900)	DIS- SOLVED (MG/L AS CA) (00915)	SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SIUM, DIS- SOLVED (MG/L AS K) (00935	SODIUM, DIS- SOLVED (MG/L AS NA) 5) (00930	UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) () (9041	LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 0) (3908	BONATE WATER DIS IT FIELD MG/L AS HCO3 6) (004!	BONATE WATER DIS IT FIELD MG/L AS CO3 53) (0049	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) 52) (009-	RIDE, DIS- SOLVED (MG/L AS F) 40)
(00950	NOV 1998 04 04 DEC 09 JAN 1999 12 FEB 03 MAR 03 APR 07	NESS TOTAL (MG/L AS CACO3) (00900)	DIS- SOLVED (MG/L AS CA) (00915)	SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SIUM, DIS- SOLVED (MG/L AS K) (00935 1.7 1.6 2.8 1.9	SODIUM, DIS- SOLVED (MG/L AS NA) 5) (00930	UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) () (9041)	LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 0) (3908	BONATE WATER TO STAND	BONATE WATER DIS IT FIELD MG/L AS CO3 53) (0049	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) 52) (009-	RIDE, DIS- SOLVED (MG/L AS F) 40)
(00956	NOV 1998 04 04 DEC 09 JAN 1999 12 FEB 03 MAR 03 APR 07 MAY	NESS TOTAL (MG/L AS CACCO3) (00900)	DIS- SOLVED (MG/L AS CA) (00915)	SIUM, DIS- SOLVED (MG/L AS MG) (00925) 5.4 4.6 4.8 4.0 4.2 4.4	SIUM, DIS- SOLVED (MG/L AS K) (00935 1.7 1.6 2.8 1.9	SODIUM, DIS- SOLVED (MG/L AS NA) 5) (00930 7.5 7.2 12 7.7 7.6 7.9	UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) () (9041)	LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 0) (3908	BONATE WATER DIS IT FIELD MG/L AS HCO3 6) (0045 61 54 36 28 34	BONATE WATER DIS IT FIELD MG/L AS CO3 53) (0045	CHLO-RIDE, RIDE, DIS-SOLVED (MG/L AS CL) 52) (009- 12 11 21 14 14 14 14	RIDE, DIS- SOLVED (MG/L AS F) 40)
(00950	NOV 1998 04 04 DEC 09 JAN 1999 12 FEB 03 MAR 03 APR 07 MAY 05 JUN	NESS TOTAL (MG/L AS CACC3) (00900) 66 56 54 43 48 50 51	DIS- SOLVED (MG/L AS CA) (00915) 17 15 14 11 12 13 13	SIUM, DIS- SOLVED (MG/L AS MG) (00925) 5.4 4.6 4.8 4.0 4.2 4.4 4.4	SIUM, DIS- SOLVED (MG/L AS K) (00935 1.7 1.6 2.8 1.9 1.5 1.6 1.3	SODIUM, DIS- SOLVED (MG/L AS NA) 5) (00930 7.5 7.2 12 7.7 7.6 7.9 7.3	UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) () (9041) 50 46 31 24	LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 0) (3908	BONATE WATER TO MATER	BONATE WATER DIS IT FIELD MG/L AS CO3 53) (004!	CHLO-RIDE, RIDE, DIS-SOLVED (MG/L AS CL) 52) (009- 12 11 21 14 14 14 12	RIDE, DIS- SOLVED (MG/L AS F) 40) <.1 <.1 <.1 <.1 <.1 <.1
(00950	NOV 1998 04 04 DEC 09 JAN 1999 12 FEB 03 MAR 03 APR 07 MAY	NESS TOTAL (MG/L AS CACC3) (00900)	DIS- SOLVED (MG/L AS CA) (00915) 17 15 14 11 12 13	SIUM, DIS- SOLVED (MG/L AS MG) (00925) 5.4 4.6 4.8 4.0 4.2 4.4	SIUM, DIS- SOLVED (MG/L AS K) (00935 1.7 1.6 2.8 1.9 1.5 1.6	SODIUM, DIS- SOLVED (MG/L AS NA) 5) (00930 7.5 7.2 12 7.7 7.6 7.9	UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (9041) 50 46 31 24	LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 0) (3908	BONATE WATER TO MATER	BONATE WATER DIS IT FIELD MG/L AS CO3 53) (0049	CHLO-RIDE, RIDE, DIS- SOLVED (MG/L AS CL) 52) (009- 12 11 21 14 14 14 12 11	RIDE, DIS- SOLVED (MG/L AS F) 40) <.1 <.1 <.1 <.1 <.1 <.1

AUG										
04	61	17	4.8	1.5	7.2	 49	55	3	11	<.1
31	69	18	5.6	2.0	8.3	 47	57		13	<.1
SEP										
16	16	4.0	1.6	2.9	1.7	 13	15		2.6	.1

01472157 FRENCH CREEK NEAR PHOENIXVILLE, PA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

(00671)	DATE	SOLVED (MG/L AS SIO2)		AMMONIA I DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + N ORGANIC DIS. (MG/L AS N) (00623)	MONIA + ORGANIC TOTAL (MG/L AS N)	(MG/L AS N)	DIS- SOLVED (MG/L AS N)	GEN, TOTAL (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) 0) (0061	PHOS- PHORUS DIS- SOLVED (MG/L AS P)	(MG/L AS P)
Ŋ	04											
	04 DEC	15	12	<.02	.1	.2	.93	.82	1.0	<.01	<.05	<.01
	09 JAN 1999	13	12	<.02	.2	.2	1.2	1.0	1.2	<.01	<.05	.01
	12 FEB	14	15	.08	.3	.5	2.0	1.6	2.1	<.01	.051	.04
	03 MAR	12	14	.04	.3	.4	1.5	1.1	1.5	.01	.032	.02
P	03	13	14	<.02	.2	.2	1.7	1.5	1.7	.01	.012	<.01
Z	03 APR	13	14	<.02	. 2	. 2	1.6	1.5	1.7	.02	.012	.01
N	07 MAY	13	12	<.02	.2	.2	1.3	1.1	1.4	<.01	.015	<.01
ā	05 IUN	11	12	.05	.2	.3	1.5	1.3	1.5	<.01	.015	.02
	02	16	14	.03	.2	.2	1.6	1.3	1.5	.01	.03	.03
	01 AUG	15	11	.02	.2	.2	.99	.82	1.0	.01	.025	.03
-	04	16	9.2	<.02	.2	.2	.46	.28	.51	<.01	.026	.02
s	31 SEP	16	20	<.02	.2	.2	.82	.62	.82	<.01	.025	.02
	16	3.6	5.9	.06	.3	1.2	1.4	1.1	2.2	.01	.14	.12
				COT TDC	TUR-					61. D.D.		
(80154)	DATE	PHORUS TOTAL (MG/L AS P)	AT 180 DEG. C DIS- SOLVED (MG/L)	DIS- SOLVED (MG/L)	ITY FIELD WATER UNFLTRD (NTU)	AS B)	IRON, DIS- SOLVED (UG/L AS FE) (01046	NESE, DIS- SOLVED (UG/L AS MN)	ORGANIC DIS- SOLVED (MG/L AS C)	SUS- PENDED TOTAL (MG/L AS C)	NIC MENT DIS- CHARGE, SUS- PENDED	SEDI- MENT, SUS- PENDED (MG/L)
		PHORUS TOTAL (MG/L AS P)	AT 180 DEG. C DIS- SOLVED (MG/L)	CONSTI- TUENTS, DIS- SOLVED (MG/L)	ITY FIELD WATER UNFLTRD (NTU)	DIS- SOLVED (UG/L AS B)	DIS- SOLVED (UG/L AS FE)	NESE, DIS- SOLVED (UG/L AS MN)	ORGANIC DIS- SOLVED (MG/L AS C)	N, ORGAN SUS- PENDED TOTAL (MG/L AS C)	NIC MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SEDI- MENT, SUS- PENDED (MG/L)
	NOV 1998 04	PHORUS TOTAL (MG/L AS P) (00665)	AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	ITY FIELD WATER UNFLTRD (NTU) (61028)	DIS- SOLVED (UG/L AS B) (01020)	DIS- SOLVED (UG/L AS FE) (01046	NESE, DIS- SOLVED (UG/L AS MN)) (01056	ORGANIC DIS- SOLVED (MG/L AS C) (0068	N, ORGAN SUS- PENDED TOTAL (MG/L AS C) 1) (0068	DIS- CHARGE, SUS- PENDED (T/DAY) 39) (8015	SEDI- MENT, SUS- PENDED (MG/L)
Ŋ	10V 1998	PHORUS TOTAL (MG/L AS P) (00665)	AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	ITY FIELD WATER UNFLTRD (NTU) (61028)	DIS- SOLVED (UG/L AS B) (01020)	DIS- SOLVED (UG/L AS FE) (01046	NESE, DIS- SOLVED (UG/L AS MN)) (01056	ORGANIC DIS- SOLVED (MG/L AS C)	N, ORGAN SUS- PENDED TOTAL (MG/L AS C) 1) (0068	DIS- CHARGE, SUS- PENDED (T/DAY) 39) (8015	SEDI- MENT, SUS- PENDED (MG/L) 5)
ı	NOV 1998 04 04 DEC 09 JAN 1999	PHORUS TOTAL (MG/L AS P) (00665)	AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	ITY FIELD WATER UNFLTRD (NTU) (61028)	DIS- SOLVED (UG/L AS B) (01020)	DIS- SOLVED (UG/L AS FE) (01046	NESE, DIS- SOLVED (UG/L AS MN)) (01056	ORGANIC DIS- SOLVED (MG/L AS C) (0068	N, ORGAN SUS- PENDED TOTAL (MG/L AS C) 1) (0068	NIC MENT DIS- CHARGE, SUS- PENDED (T/DAY) 39) (8015	SEDI- MENT, SUS- PENDED (MG/L) 5)
I J	NOV 1998 04 04 DEC 09 JAN 1999 12 FEB	PHORUS TOTAL (MG/L AS P) (00665) <.05 <.05	AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	CONSTITUENTS, DIS- SOLVED (MG/L) (70301) 104 96 108	ITY FIELD WATER UNFLTRD (NTU) (61028)	DIS- SOLVED (UG/L AS B) (01020) E12.4 E7.5	DIS- SOLVED (UG/L AS FE) (01046	NESE, DIS- SOLVED (UG/L AS MN)) (01056	ORGANIC DIS- SOLVED (MG/L AS C)) (0068	N, ORGAN SUS-PENDED TOTAL (MG/L AS C) 1) (0068	NIC MENT DIS- CHARGE, SUS- PENDED (T/DAY) (9) (8015	, SEDI- MENT, SUS- PENDED (MG/L) 5)
I C	04 04 05 09 12 12 12 13 14 15 16 17 18	PHORUS TOTAL (MG/L AS P) (00665) <.05 <.05 .077	AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	ITY FIELD WATER UNFLIRD (NTU) (61028) 0 .4 20 20	DIS- SOLVED (UG/L AS B) (01020) E12.4 E7.5 9.6 <16.0	DIS- SOLVED (UG/L AS FE) (01046	NESE, DIS- SOLVED (UG/L AS MN)) (01056	ORGANIC DIS- SOLVED (MG/L AS C)) (0068	N, ORGAN SUS- PENDED TOTAL (MG/L AS C) 1) (0068	NIC MENT DIS- CHARGE, SUS- PENDED (T/DAY) 39) (8015	, SEDI- MENT, SUS- PENDED (MG/L) 5)
I C F	04 04 04 DEC 09 JAN 1999 12 FEB 03 4AR 03	PHORUS TOTAL (MG/L AS P) (00665) <.05 <.05	AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	CONSTITUENTS, DIS- SOLVED (MG/L) (70301) 104 96 108	ITY FIELD WATER UNFLTRD (NTU) (61028)	DIS- SOLVED (UG/L AS B) (01020) E12.4 E7.5	DIS- SOLVED (UG/L AS FE) (01046	NESE, DIS- SOLVED (UG/L AS MN)) (01056	ORGANIC DIS- SOLVED (MG/L AS C)) (0068	N, ORGAN SUS-PENDED TOTAL (MG/L AS C) 1) (0068	NIC MENT DIS- CHARGE, SUS- PENDED (T/DAY) (9) (8015	, SEDI- MENT, SUS- PENDED (MG/L) 5)
I C F N	04 04 05 09 JAN 1999 12 7EB 03 MAR 03 APR 07	PHORUS TOTAL (MG/L AS P) (00665) <.05 <.05 .077 .063	AT 180 DEG. C DIS- SOLVED (MG/L) (70300) 114 110 125 100 100	CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301) 104 96 108 84 89	ITY FIELD WATER UNFLTRD (NTU) (61028) 0 .4 20 20 3	DIS- SOLVED (UG/L AS B) (01020) E12.4 E7.5 9.6 <16.0	DIS- SOLVED (UG/L AS FE) (01046	NESE, DIS- SOLVED (UG/L AS MN)) (01056	ORGANIC DIS- SOLVED (MG/L AS C)) (0068 <1 1.9 1.8 4.1 5.2 2.5	N, ORGAN SUS- PENDED TOTAL (MG/L AS C) 1) (0068	NIC MENT DIS- CHARGE, SUS- PENDED (T/DAY) 9) (8015	, SEDI- MENT, SUS- PENDED (MG/L) 5)
I C E D	04 04 05 09 12 12 12 13 14 16 17 18	PHORUS TOTAL (MG/L AS P) (00665) <.05 <.05 .077 .063 .025 .026	AT 180 DEG. C DIS- SOLVED (MG/L) (70300) 114 110 125 100 100 102	CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	ITY FIELD WATER UNFLIRD (NTU) (61028) 0 .4 20 20 3	DIS- SOLVED (UG/L AS B) (01020) E12.4 E7.5 9.6 <16.0 <16.0	DIS- SOLVED (UG/L AS FE) (01046	NESE, DIS- SOLVED (UG/L AS MN)) (01056	ORGANIC DIS- SOLVED (MG/L AS C)) (0068 <.1 1.9 1.8 4.1 5.2 2.5	N, ORGAN SUS-PENDED TOTAL (MG/L AS C) 1) (0068	NIC MENT DIS- CHARGE, SUS- PENDED (T/DAY) 39) (8015	, SEDI- MENT, SUS- PENDED (MG/L) 5)
I C E D	04 04 05EC 09 JAN 1999 12 FEB 03 4AR 03 07 4AY	PHORUS TOTAL (MG/L AS P) (00665) <.05 <.05 .077 .063 .025 .026	AT 180 DEG. C DIS- SOLVED (MG/L) (70300) 114 110 125 100 100 102 97	CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301) 104 96 108 84 89 88	ITY FIELD WATER UNFLIRD (NTU) (61028) 0 .4 20 20 3 4	DIS- SOLVED (UG/L AS B) (01020) E12.4 E7.5 9.6 <16.0 <16.0	DIS- SOLVED (UG/L AS FE) (01046 30 54 75 94 62 64 84	NESE, DIS- SOLVED (UG/L AS MN)) (01056	ORGANIC DIS- SOLVED (MG/L AS C)) (0068 <.1 1.9 1.8 4.1 5.2 2.5 2.3	N, ORGAN SUS- PENDED TOTAL (MG/L AS C) 1) (0068	NIC MENT DIS- CHARGE, SUS- PENDED (T/DAY) 99) (8015	, SEDI-MENT, SUS-PENDED (MG/L) 5) 8 1 8 10 3 6
I C E D	04 04 05 09 JAN 1999 12 7EB 03 MAR 07 APR 05 JUN 1998	PHORUS TOTAL (MG/L AS P) (00665) <.05 <.05 .077 .063 .025 .026 .025	AT 180 DEG. C DIS- SOLVED (MG/L) (70300) 114 110 125 100 100 102 97	CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301) 104 96 108 84 89 88 86	ITY FIELD WATER UNFLTRD (NTU) (61028) 0 .4 20 20 3 4 3	DIS- SOLVED (UG/L AS B) (01020) E12.4 E7.5 9.6 <16.0 <16.0 E9.2 E7.8	DIS- SOLVED (UG/L AS FE) (01046 30 54 75 94 62 64 84 76	NESE, DIS- SOLVED (UG/L AS MN)) (01056	ORGANIC DIS- SOLVED (MG/L AS C)) (0068 <1 1.9 1.8 4.1 5.2 2.5 2.3 1.9	N, ORGAN SUS- PENDED TOTAL (MG/L AS C) 1) (0068	MIC MENT DIS- CHARGE, SUS- PENDED (T/DAY) 99) (8015	, SEDI-MENT, SUS-PENDED (MG/L) 5) 8 1 8 10 3 6 6
	04 04 05EC 09 TAN 1999 12 FEB 03 MAR 03 03 APR 07 APR 05 JUN 02 JUL	PHORUS TOTAL (MG/L AS P) (00665) <.05063 .025 .026 .025 .026 .046	AT 180 DEG. C DIS- SOLVED (MG/L) (70300) 114 110 125 100 100 102 97 101 124	CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301) 104 96 108 84 89 88 86	ITY FIELD WATER UNFLIRD (NTU) (61028) 0 .4 20 20 3 4 3 4	DIS- SOLVED (UG/L AS B) (01020) E12.4 E7.5 9.6 <16.0 <16.0 E9.2 E7.8 E11.9	DIS- SOLVED (UG/L AS FE) (01046 30 54 75 94 62 64 84 76 79	NESE, DIS- SOLVED (UG/L AS MN)) (01056	ORGANIC DIS- SOLVED (MG/L AS C)) (0068 <.1 1.9 1.8 4.1 5.2 2.5 2.3 1.9 1.9	N, ORGAN SUS- PENDED TOTAL (MG/L AS C) 1) (0068	MIC MENT DIS- CHARGE, SUS- PENDED (T/DAY) 39) (8015	SEDI- MENT, SUS- PENDED (MG/L) 5)
I C C C C C C C C C C C C C C C C C C C	04 04 04 09 JAN 1999 12 FEB 03 4AR 03 07 4DPR 05 JUL 01 AUG	PHORUS TOTAL (MG/L AS P) (00665) <.05 <.05 .077 .063 .025 .026 .026 .046 .045	AT 180 DEG. C DIS- SOLVED (MG/L) (70300) 114 110 125 100 100 102 97 101 124 119	CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301) 104 96 108 84 89 88 86 100 97	ITY FIELD WATER UNFLIRD (NTU) (61028) 0 .4 20 20 3 4 3 4 3 4 3	DIS- SOLVED (UG/L AS B) (01020) E12.4 E7.5 9.6 <16.0 <16.0 E9.2 E7.8 E11.9	DIS- SOLVED (UG/L AS FE) (01046 30 54 75 94 62 64 84 76 79 58	NESE, DIS- SOLVED (UG/L AS MN)) (01056 7 <3 20 16 10 10 8 6 9	ORGANIC DIS- SOLVED (MG/L AS C)) (0068 <.1 1.9 1.8 4.1 5.2 2.5 2.3 1.9 1.9 2.1	N, ORGAN SUS- PENDED TOTAL (MG/L AS C) (0068)	NIC MENT DIS- CHARGE, SUS- PENDED (T/DAY) 99) (8015	, SEDI- MENT, SUS- PENDED (MG/L) 5)

WATER-COLUMN VOLATILE ORGANIC COMPOUND ANALYSES. Selected samples were analyzed for volatile organic compounds (VOCs) on schedule 2020 (listed with minimum reporting levels in "Explanation of Records" section). Only VOCs identified by the analyses in one or more samples are listed in the water-quality tables.

	CARBON					1,2,3-	BENZENE	BENZENE		BENZENE
	DI-	1,1,1-		1,1-DI-		TRI-	123-TRI	1,2,4-	BENZENE	135-TRI
	SULFIDE	TRI-	1,1-DI-	CHLORO-	ACETONE	CHLORO	METHYL-	TRI-	124-TRI	METHYL
	WATER	CHLORO-	CHLORO-	ETHYL-	WATER	BENZENE	WATER	CHLORO-	METHYL	WATER
	WHOLE	ETHANE	ETHANE	ENE	WHOLE	WAT, WH	UNFLTRD	WAT UNF	UNFILT	UNFLTRD
TIME	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	REC	RECOVE	R REC	RECOVE	R REC
	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
	(77041)	(34506)	(34496)	(34501)	(81552)	(77613)	(77221)	(34551)	(77222)	(77226)
1330	<.37	<.032	<.066	<.044	<5	<.27	<.12	<.19	<.056	<.044
		DI- SULFIDE WATER WHOLE TIME TOTAL (UG/L) (77041)	DI- 1,1,1- SULFIDE TRI- WATER CHLORO- WHOLE ETHANE TIME TOTAL TOTAL (UG/L) (UG/L) (77041) (34506)	DI-	DI- 1,1,1- 1,1-DI- SULFIDE TRI- 1,1-DI- CHLORO- WATER CHLORO- CHLORO- ETHYL- WHOLE ETHANE ETHANE ENE TIME TOTAL TOTAL TOTAL TOTAL (UG/L) (UG/L) (UG/L) (UG/L) (77041) (34506) (34496) (34501)	DI-	DI- 1,1,1- 1,1-DI- TRI- SULFIDE TRI- 1,1-DI- CHLORO- ACETONE CHLORO WATER CHLORO- CHLORO- ETHYL- WATER BENZENE WHOLE ETHANE ETHANE ENE WHOLE WAT, WH TIME TOTAL TOTAL TOTAL TOTAL TOTAL REC (UG/L) (UG/L) (UG/L) (UG/L) (UG/L) (UG/L) (77041) (34506) (34496) (34501) (81552) (77613)	DI- 1,1,1- 1,1-DI- TRI- 123-TRI SULFIDE TRI- 1,1-DI- CHLORO- ACETONE CHLORO METHYL- WATER CHLORO- CHLORO- ETHYL- WATER BENZENE WATER WHOLE ETHANE ETHANE ENE WHOLE WAT, WH UNFLTRD TIME TOTAL TOTAL TOTAL TOTAL TOTAL REC RECOVE (UG/L) (UG/L) (UG/L) (UG/L) (UG/L) (UG/L) (UG/L) (77041) (34506) (34496) (34501) (81552) (77613) (77221)	DI	DI- 1,1,1- 1,1-DI- TRI- 123-TRI 1,2,4- BENZENE SULFIDE TRI- 1,1-DI- CHLORO- ACETONE CHLORO METHYL. TRI- 124-TRI WATER CHLORO- CHLORO- ETHYL- WATER BENZENE WATER CHLORO- METHYL WHOLE ETHANE ETHANE ENE WHOLE WAT, WH UNFLTRD WAT UNF UNFILT TIME TOTAL TOTAL TOTAL TOTAL TOTAL REC RECOVER REC RECOVE (UG/L) (UG/L) (UG/L) (UG/L) (UG/L) (UG/L) (UG/L) (UG/L) (UG/L) (77041) (34506) (34496) (34501) (81552) (77613) (77221) (34551) (77222)

01472157 FRENCH CREEK NEAR PHOENIXVILLE, PA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

	BENZENE	E BENZENI	E ISO-			BENZEN	VE				
	1,3-DI-	- 1,4-DI-		 BENZEN 						CHLO	RO-
	CHLORO-	 CHLORO- 	- BENZEN	E N-BUTY	L N-PROP	Y CHLORO)-			DI	-
	WATER	WATER	WATER	WATER	WATER	WATER		BROMO-	CHLORO-	BROMO-	CHLORO-
	UNFLTRD	UNFLTRD	WHOLE	UNFLTRD	UNFLTRD	UNFLTRD	BENZENE	FORM	BENZENE	METHAN	E FORM
DATE	REC	REC	REC	REC	REC	REC	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
	(34566)	(34571)	(77223) (77342) (77224	(34536	5) (3403	0) (321	04) (3430	1) (321	.05)
(32106)											
MAY 1999											
05	<.054	<.05	<.032	<.19	<.042	<.048	<.1	<.1	<.028	<.18	<.052
SEP											
16	<.054	<.05	<.032	<.19	<.042	<.048	<.1	<.1	<.028	<.18	<.052
	CIS-1,2			ETHER		FURAN,		METHYL			METHYL-
	-DI-	BROMO-	ETHER	TERT-		TETRA-	ISO-	TERT-		METHYL	ETHYL-
	CHLORO-	DI-	ETHYL	PENTYL		HYDRO-	DURENE	BUTYL	METHYL-	ENE	KETONE
	ETHENE	CHLORO-	WATER	METHYL	ETHYL-	WATER	WATER	ETHER	CHLO-	CHLO-	WATER
	WATER	METHANE	UNFLTRD	UNFLTRD	BENZENE	UNFLTRD		WAT UNF		RIDE	WHOLE
DATE	TOTAL	TOTAL	RECOVER	RECOVER	TOTAL		RECOVER	REC	TOTAL	TOTAL	TOTAL
	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
	(77093)	(32101)) (81576) (50005) (34371	.) (81607	7) (5000	0) (780)	32) (3441	.8) (344	23)
(81595)											
MAY 1999						_	_				
05	<.038	<.048	<.17	<.11	<.03	<9	<.2	E.0704	<.25	<.38	<1.6
SEP						_	_				
16	<.038	<.048	<.17	<.11	<.03	<9	<.2	<.17	<.25	<.38	<1.6
	34TIM17377	META/	0-		P-ISO-						
	METHYL	•		•				mmmp a	mor remark		mp.T
	ISO- BUTYL	PARA- XYLENE	CHLORO-	O- XYLENE	PROPYL- TOLUENE	PREH-		TETRA-	TOLUENE O-ETHYL	5	TRI- CHLORO-
	KETONE	WATER									
			WATER WHOLE	WATER	WATER	WATER	CHILD THE	ETHYL- ENE	WATER		ETHYL-
DATE	WAT.WH. TOTAL	UNFLTRD REC	TOTAL	WHOLE TOTAL	WHOLE REC	UNFLTRD RECOVER	STYRENE TOTAL	TOTAL	UNFLTRD RECOVER	TOLUEN TOTAL	E ENE TOTAL
DATE	(UG/L)		(UG/L)	(UG/L)				(UG/L)		(UG/L)	(UG/L)
									75) (7722		
(39180)	(70133)	(83733)	, (11213	, (77133) (11330	(43333	, (//12	0) (344	13) (1122	.0) (340	10)
(33100)											
MAY 1999											
05	<.37	<.06	<.042	<.06	<.11	<.23	<.042	<.1	<.1	E.0554	E.0188
SEP	~.57	~.00	~.UIZ	~.00	~	25	~.012	~	·	2.0334	2.0100
16	<.37	<.06	<.042	<.06	<.11	<.23	<.042	<.1	<.1	<.05	<.038
	/				~ •	~ • 2 3		~•±	~• ±	~.05	050

WATER-COLUMN PESTICIDE ANALYSES. Selected samples were analyzed for pesticides on schedule 2001 (listed with minimum reporting levels in "Explanation of Records" section). Only pesticides identified by the analyses in one or more samples are listed in the water-quality tables.

DATE	TIME	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)
DEC 1998										
09	1550	<.002	<.002	.0066	<.002	<.003	<.003	<.004	<.004	<.002
JAN 1999										
12	1500	<.002	<.002	.0116	<.002	E.0070	<.003	<.004	<.004	<.002
FEB 03	1430	<.002	<.002	.0104	<.002	<.003	<.003	<.004	<.004	<.002
MAR	1430	<.002	<.002	.0104	<.002	<.003	<.003	<.004	<.004	<.002
03	1410	<.002	<.002	.0083	<.002	<.003	<.003	<.004	<.004	<.002
APR										
07	1410	<.002	<.002	.0083	<.002	<.003	<.003	<.004	<.004	<.002
MAY										
05	1330	<.002	<.002	.0095	<.002	<.003	<.003	<.004	<.004	<.002
JUN 02	1430	<.002	<.002	.0200	<.002	<.003	<.030	<.004	<.004	<.002
JUL	1430	<.002	<.002	.0200	<.002	<.003	<.030	<.004	<.004	<.002
01	1340	<.002	<.002	.0130	<.002	<.003	<.003	<.004	<.004	<.002
AUG										
04	1430	<.002	<.002	.0079	<.002	<.003	<.003	<.004	<.004	<.002
31	0740	<.002	<.002	.0069	<.002	<.003	<.003	<.004	<.004	<.002
SEP										
16	1820	<.002	.0135	.0221	<.002	<.003	<.003	<.004	.0284	.0040

01472157 FRENCH CREEK NEAR PHOENIXVILLE, PA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	LINDANE DIS- SOLVED (UG/L) (39341)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA- THION, DIS- SOLVED (UG/L) (39532)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)
DEC 1998										
09 JAN 1999	E.0265	<.002	<.001	<.002	<.004	<.002	<.005	<.001	<.002	<.004
12 FEB	E.0235	<.002	<.001	<.002	<.004	<.002	<.005	<.001	.0155	<.004
03 MAR	E.0180	<.002	<.001	<.002	<.004	<.002	<.005	<.001	.0113	<.004
03 APR	E.0124	<.002	<.001	<.002	<.004	<.002	<.005	<.001	.0067	<.004
07 MAY	E.0219	<.002	<.001	<.002	<.004	<.002	<.005	<.001	.0060	<.004
05 JUN	E.0292	<.002	<.001	<.002	<.004	<.002	<.005	<.001	.0075	<.004
02 JUL	E.0213	<.002	<.001	<.002	<.004	<.002	<.005	<.001	.0082	<.004
01 AUG	E.0460	<.002	<.001	<.002	<.004	<.002	<.005	<.001	.0070	<.004
04 31	E.0337 E.0231	<.002 <.002	<.001 <.001	<.002 <.002	<.004 <.004	<.002 <.002	<.005 <.005	<.001 <.001	.0046 E.0028	<.004 <.004
SEP 16	E.0095	<.002	<.001	<.002	<.004	<.002	<.005	<.001	.0316	<.004
DATE	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
DATE	AMIDE WATER FLTRD 0.7 U GF, REC (UG/L)	DDE DISSOLV (UG/L)	METH- ALIN WAT FLT 0.7 U GF, REC (UG/L)	METON, WATER, DISS, REC (UG/L)	AMIDE WATER FLTRD 0.7 U GF, REC (UG/L)	PANIL WATER FLTRD 0.7 U GF, REC (UG/L)	MAZINE, WATER, DISS, REC (UG/L)	THIURON WATER FLTRD 0.7 U GF, REC (UG/L)	BACIL WATER FLTRD 0.7 U GF, REC (UG/L)	FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L)
	AMIDE WATER FLTRD 0.7 U GF, REC (UG/L)	DDE DISSOLV (UG/L)	METH- ALIN WAT FLT 0.7 U GF, REC (UG/L)	METON, WATER, DISS, REC (UG/L)	AMIDE WATER FLTRD 0.7 U GF, REC (UG/L)	PANIL WATER FLTRD 0.7 U GF, REC (UG/L)	MAZINE, WATER, DISS, REC (UG/L)	THIURON WATER FLTRD 0.7 U GF, REC (UG/L)	BACIL WATER FLTRD 0.7 U GF, REC (UG/L)	FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L)
DEC 1998 09 JAN 1999 12	AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	DDE DISSOLV (UG/L) (34653)	METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	METON, WATER, DISS, REC (UG/L) (04037)	AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	MAZINE, WATER, DISS, REC (UG/L) (04035)	THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
DEC 1998 09 JAN 1999 12 FEB 03	AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	DDE DISSOLV (UG/L) (34653)	METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	METON, WATER, DISS, REC (UG/L) (04037)	AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	MAZINE, WATER, DISS, REC (UG/L) (04035)	THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670) <.010	BACIL WATER FLITRD 0.7 U GF, REC (UG/L) (82665)	FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
DEC 1998 09 JAN 1999 12 FEB 03 MAR 03	AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684) <.003	DDE DISSOLV (UG/L) (34653) <.006	METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683) <.004	METON, WATER, DISS, REC (UG/L) (04037) <.018	AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676) <.003	PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679) <.004	MAZINE, WATER, DISS, REC (UG/L) (04035) .0082	THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670) <.010 <.010	BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665) <.007	FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661) <.002
DEC 1998 09 JAN 1999 12 FEB 03 MAR 03 APR 07	AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684) <.003 <.003	DDE DISSOLV (UG/L) (34653) <.006 <.006	METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683) <.004 <.004	METON, WATER, DISS, REC (UG/L) (04037) <.018 <.018	AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676) <.003 <.003	PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679) <.004 <.004	MAZINE, WATER, DISS, REC (UG/L) (04035) .0082 .0602	THIURON WATER FLITED 0.7 U GF, REC (UG/L) (82670) <.010 <.010 <.010	BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665) <.007 <.007	FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661) <.002 <.002
DEC 1998 09 JAN 1999 12 FEB 03 MAR 03 APR 07 MAY 05	AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684) <-003 <-003 <-003	DDE DISSOLV (UG/L) (34653) <.006 <.006 <.006	METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683) <.004 <.004 <.004	METON, WATER, DISS, REC (UG/L) (04037) <.018 <.018 <.018	AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676) <.003 <.003 <.003	PANIL WATER FITRD 0.7 U GF, REC (UG/L) (82679) <.004 <.004 <.004	MAZINE, WATER, DISS, REC (UG/L) (04035) .0082 .0602 .0121	THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670) <.010 <.010 <.010 <.010	BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665) <.007 <.007 <.007	FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661) <.002 <.002 <.002
DEC 1998 09 JAN 1999 12 FEB 03 MAR 03 APR 07 MAY 05 JUN 02	AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684) <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <- 0.003 <	DDE DISSOLV (UG/L) (34653) <.006 <.006 <.006 <.006 <.006	METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683) <.004 <.004 <.004 <.004	METON, WATER, DISS, REC (UG/L) (04037) <.018 <.018 <.018 <.018 <.018	AMIDE WATER FLITED 0.7 U GF, REC (UG/L) (82676) <.003 <.003 <.003 <.003	PANIL WATER FITRD 0.7 U GF, REC (UG/L) (82679) <.004 <.004 <.004 <.004	MAZINE, WATER, DISS, REC (UG/L) (04035) .0082 .0602 .0121 .0124 .0119	THIURON WATER FLITED 0.7 U GF, REC (UG/L) (82670) <.010 <.010 <.010 <.010 <.010	BACIL WATER FITRD 0.7 U GF, REC (UG/L) (82665) <.007 <.007 <.007 <.007	FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661) <.002 <.002 <.002 <.002 <.002
DEC 1998 09 JAN 1999 12 FEB 03 MAR 07 MAY 05 JUN 02 JUL 01	AMIDE WATER FLIRD 0.7 U GF, REC (UG/L) (82684) <.003 <.003 <.003 <.003 <.003	DDE DISSOLV (UG/L) (34653) <.006 <.006 <.006 <.006 <.006 <.006	METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683) <.004 <.004 <.004 <.004 <.004	METON, WATER, DISS, REC (UG/L) (04037) <.018 <.018 <.018 <.018 <.018 <.018	AMIDE WATER FITRD 0.7 U GF, REC (UG/L) (82676) <.003 <.003 <.003 <.003 <.003	PANIL WATER FITRD 0.7 U GF, REC (UG/L) (82679) <.004 <.004 <.004 <.004 <.004 <.004	MAZINE, WATER, DISS, REC (UG/L) (04035) .0082 .0602 .0121 .0124 .0119	THIURON WATER FLITED 0.7 U GF, REC (UG/L) (82670) <.010 <.010 <.010 <.010 <.010 <.010	BACIL WATER FLITRD 0.7 U GF, REC (UG/L) (82665) <.007 <.007 <.007 <.007 <.007	FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661) <.002 <.002 <.002 <.002 <.002 <.002
DEC 1998 09 JAN 1999 12 FEB 03 MAR 03 APR 07 MAY 05 JUN 02 JUL	AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684) <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <-003 <	DDE DISSOLV (UG/L) (34653) <.006 <.006 <.006 <.006 <.006 <.006 <.006 <.006	METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683) <.004 <.004 <.004 <.004 <.004 <.004	METON, WATER, DISS, REC (UG/L) (04037) <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018	AMIDE WATER FLIRD 0.7 U GF, REC (UG/L) (82676) <.003 <.003 <.003 <.003 <.003 <.003 <.003	PANIL WATER FITRD 0.7 U GF, REC (UG/L) (82679) <.004 <.004 <.004 <.004 <.004 <.004	MAZINE, WATER, DISS, REC (UG/L) (04035) .0082 .0602 .0121 .0124 .0119 .0131	THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670) <.010 <.010 <.010 <.010 <.010 <.010 <.010	BACIL WATER FITRD 0.7 U GF, REC (UG/L) (82665) <.007 <.007 <.007 <.007 <.007 <.007	FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661) <.002 <.002 <.002 <.002 <.002 <.002 <.002
DEC 1998 09 JAN 1999 12 FEB 03 MAR 03 APR 07 MAY 05 JUN 02 JUL 01 AUG	AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684) <.003 <.003 <.003 <.003 <.003 <.003 <.003	DDE DISSOLV (UG/L) (34653) <.006 <.006 <.006 <.006 <.006 <.006 <.006 <.006 <.006	METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683) <.004 <.004 <.004 <.004 <.004 <.004 <.004	METON, WATER, DISS, REC (UG/L) (04037) <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018	AMIDE WATER FITTED 0.7 U GF, REC (UG/L) (82676) <.003 <.003 <.003 <.003 <.003 <.003 <.003 <.003	PANIL WATER FITRD 0.7 U GF, REC (UG/L) (82679) <.004 <.004 <.004 <.004 <.004 <.004 <.004 <.004	MAZINE, WATER, DISS, REC (UG/L) (04035) .0082 .0602 .0121 .0124 .0119 .0131 .164	THIURON WATER FLITED 0.7 U GF, REC (UG/L) (82670) <.010 <.010 <.010 <.010 <.010 <.010 <.010 <.010 <.010	BACIL WATER FITRD 0.7 U GF, REC (UG/L) (82665) <.007 <.007 <.007 <.007 <.007 <.007 <.007	FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661) <.002 <.002 <.002 <.002 <.002 <.002 <.002 <.002 <.002

01472157 FRENCH CREEK NEAR PHOENIXVILLE, PA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBE	R		NOVEMBE	R		DECEMB	ER		JANU	JARY
1							8.5	6.5	7.5	.0	.0	.0
2							7.5	5.0	6.0	.0	.0	.0
3							8.0	6.0	7.0	.5	.0	.0
4							10.5	8.0	9.0	.5	.0	.0
5				6.5	3.5	5.0	11.0	9.5	10.0	.5	.0	.0
6				6.0	3.5	4.5	11.0	9.0	10.0	.5	.0	.0
7				6.5	3.5	5.5	12.5	10.0	11.5	.5	.0	.0
8				7.5	6.0	6.5	12.0	10.0	10.5	.0	.0	.0
9				8.5	6.0	7.5	10.0	6.0	8.5	.0	.0	.0
10				8.0	5.5	6.5	6.0	4.5	5.5	.0	.0	.0
11				10.5	8.0	9.5	5.5	3.5	4.5	.5	.0	.0
12				8.5	6.0	7.0	4.5	2.0	3.5	.5	.0	.0
13				8.0	6.0	7.0	5.0	3.5	4.5	.5	.0	.0
14				8.0	5.5	6.5	4.5	2.0	3.5	.0	.0	.0
15				9.0	6.5	7.5	3.0			.0	.0	.0
16				8.0	5.0	6.5	3.5	1.0	2.0	.5		.0
17				9.5	7.0	8.0	3.5	2.0	2.5	.5	.0	.0
18				8.0	6.0	7.0	3.0	1.0	2.0	1.0	.0	.0
19 20				7.0 9.0	4.5 6.5	6.0 8.0	3.5 5.5	.5 3.5	2.5 4.5	1.5 3.0	.5 1.0	1.0 2.0
20				3.0	0.5	0.0	3.3	3.3	4.5	3.0	1.0	2.0
21				8.0	6.0	7.0	7.0	5.0	6.0	3.0	2.0	2.5
22				7.0	5.0	6.0	9.0	3.0	7.0	4.0	3.0	3.5
23				6.0	3.5	5.0	3.0	.5	1.5	6.0	4.0	5.0
24				7.5	5.5	6.5	1.0	.0	.5	8.0	6.0	7.0
25				6.0	3.5	5.0	.5	5	.0	6.0	3.5	4.5
26				7.5	5.0	6.0	.0	.0	.0	4.0	2.5	3.0
27				8.0	6.0	7.0	.0	.0	.0	3.5	1.5	2.5
28				7.5	4.5	6.0	.5	.0	.0	5.5	3.0	4.0
29				7.5	4.5	6.0	1.0	.0	.5	6.0	3.0	4.5
30				8.0	6.0	7.0	1.0	.0	.5	4.0	1.0	2.5
31							.0	.0	.0	3.0	5	1.0
MONTH				10.5	3.5	6.5	12.5	5	4.5	8.0	5	1.5
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
DAY		MIN FEBRUAR		MAX	MIN MARCH		MAX	MIN APRI		MAX	MIN MA	
		FEBRUAR	Y		MARCH			APRI	ւ		MA	ΔY
1	1.0	FEBRUAR	y .5	MAX 			10.0	APRII	L 9.0	MAX 		
		FEBRUAR	Y		MARCH			APRI	ւ		M.	
1 2	1.0 3.5	FEBRUAR	.5 2.0		MARCH		10.0 12.0	8.5 8.5 10.0 11.5	9.0 10.5 11.5 12.5		M2 	
1 2 3	1.0	FEBRUAR	.5 2.0		MARCH		10.0 12.0 13.5	8.5 8.5 10.0 11.5	9.0 10.5 11.5		M.P.	
1 2 3 4 5	1.0 3.5 	.0 .5 	.5 2.0 	 8.0 5.0	MARCH 3.5 2.5	 6.0 3.5	10.0 12.0 13.5 15.0 14.5	8.5 8.5 10.0 11.5 10.5	9.0 10.5 11.5 12.5 12.0	 	M2	
1 2 3 4 5	1.0 3.5 	.0 .5 	.5 2.0 	 8.0 5.0	MARCH 3.5 2.5	 6.0 3.5	10.0 12.0 13.5 15.0 14.5	8.5 8.5 10.0 11.5 10.5	9.0 10.5 11.5 12.5 12.0	 	MP	
1 2 3 4 5 6 7	1.0	.0 .5 	.5 2.0 	 8.0 5.0 4.0 4.5	MARCH 3.5 2.5 3.0 .5	 6.0 3.5 3.5	10.0 12.0 13.5 15.0 14.5	8.5 8.5 10.0 11.5 10.5	9.0 10.5 11.5 12.5 12.0	 	M2	
1 2 3 4 5 6 7 8	1.0	.0 .5 	.5 2.0 	 8.0 5.0 4.0 4.5 2.5	MARCH 3.5 2.5 3.0 .55	 6.0 3.5 3.5 3.0	10.0 12.0 13.5 15.0 14.5	8.5 8.5 10.0 11.5 10.5	9.0 10.5 11.5 12.5 12.0	==== ==== ==== ====	M2	
1 2 3 4 5 6 7	1.0	.0 .5 	.5 2.0 	 8.0 5.0 4.0 4.5	MARCH 3.5 2.5 3.0 .5	 6.0 3.5 3.5	10.0 12.0 13.5 15.0 14.5	8.5 8.5 10.0 11.5 10.5	9.0 10.5 11.5 12.5 12.0	 	M2	
1 2 3 4 5 6 7 8 9	1.0	.0 .5 	.5 2.0 	 8.0 5.0 4.0 4.5 2.5	MARCH 3.5 2.5 3.0 .550	 6.0 3.5 3.5 3.0 .5	10.0 12.0 13.5 15.0 14.5	8.5 8.5 10.0 11.5 10.5	9.0 10.5 11.5 12.5 12.0 11.0	 	M2	
1 2 3 4 5 6 7 8 9 10	1.0	.0 .5 	2.0 2.0 	8.0 5.0 4.0 4.5 2.5 2.5 3.5	MARCH 3.5 2.5 3.0 .550	 6.0 3.5 3.5 3.0 .5 1.0	10.0 12.0 13.5 15.0 14.5	8.5 8.5 10.0 11.5 10.5	9.0 10.5 11.5 12.5 12.0 11.0		M2	
1 2 3 4 5 6 7 8 9 10	1.0 3.5 	.0 .5 	2.0 2.0 	 8.0 5.0 4.0 4.5 2.5 3.5	MARCH 3.5 2.5 3.0 .55555	 6.0 3.5 3.5 3.0 .5 1.0	10.0 12.0 13.5 15.0 14.5	8.5 8.5 10.0 11.5 10.5	9.0 10.5 11.5 12.5 12.0		MA	
1 2 3 4 5 6 7 8 9 10 11 12 13	1.0	.0 .5 	2.0 2.0 	8.0 5.0 4.0 4.5 2.5 3.5 3.5 4.5	MARCH 3.5 2.5 3.0 .550 .05	 6.0 3.5 3.5 3.5 1.0	10.0 12.0 13.5 15.0 14.5	8.5 8.5 10.0 11.5 10.5 9.0	9.0 10.5 11.5 12.5 12.0 11.0	 	M2	
1 2 3 4 5 6 7 8 9 10	1.0 3.5 	.0 .5 	2.0 2.0 	 8.0 5.0 4.0 4.5 2.5 3.5	MARCH 3.5 2.5 3.0 .55555	 6.0 3.5 3.5 3.0 .5 1.0	10.0 12.0 13.5 15.0 14.5	8.5 8.5 10.0 11.5 10.5	9.0 10.5 11.5 12.5 12.0		MA	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	1.0	.0 .5	2.0 2.0 	8.0 5.0 4.0 4.5 2.5 3.5 3.5 4.5	MARCH 3.5 2.5 3.0 .550 .055	 6.0 3.5 3.5 3.5 1.0 1.0 1.5	10.0 12.0 13.5 15.0 14.5	8.5 8.5 10.0 11.5 10.5 9.0	9.0 10.5 11.5 12.5 12.0 11.0 	 	M2	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	1.0	.0 .5 	2.0 2.0 	8.0 5.0 4.0 4.5 2.5 2.5 3.5 3.5 4.5	MARCH 3.5 2.5 3.0 .550 .05555	 6.0 3.5 3.5 3.0 .5 1.0	10.0 12.0 13.5 15.0 14.5 13.5	8.5 8.5 10.0 11.5 10.5 9.0	9.0 10.5 11.5 12.5 12.0 11.0 		MP	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	1.0	.0 .5 	2.0 2.0 	 8.0 5.0 4.0 4.5 2.5 2.5 3.5 2.5 4.5	MARCH 3.5 2.5 3.0 .550 0 .0 1.5	 6.0 3.5 3.5 3.5 1.0 1.0 1.5 	10.0 12.0 13.5 15.0 14.5 13.5	8.5 8.5 10.0 11.5 10.5 9.0	9.0 10.5 11.5 12.5 12.0 11.0 		M2	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	1.0 3.5 	.0 .5 	2.0 2.0 	8.0 5.0 4.0 4.5 2.5 2.5 3.5 3.5 4.5	MARCH 3.5 2.5 3.0 .550 .05555	 6.0 3.5 3.5 3.5 1.0 1.0 1.5 	10.0 12.0 13.5 15.0 14.5 13.5	8.5 8.5 10.0 11.5 10.5 9.0 	9.0 10.5 11.5 12.5 12.0 11.0 			
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	1.0 3.5 	.0 .5	2.0 2.0 	3.5 3.5 4.5 3.5 3.5 4.5 3.5	MARCH 3.5 2.5 3.0 .550550 1.5 3.5	 6.0 3.5 3.5 3.5 1.0 1.0 1.5 	10.0 12.0 13.5 15.0 14.5	8.5 8.5 10.0 11.5 10.5 9.0	9.0 10.5 11.5 12.5 12.0 11.0 		M2	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	1.0 3.5 	FEBRUAR .0 .5	2.0 2.0 	3.5 4.0 4.5 2.5 3.5 4.5 4.5 7.5 7.5	MARCH 3.5 2.5 3.0 .550 .0550 1.5 3.5 4.0 3.5	 6.0 3.5 3.5 3.5 3.5 1.0 1.0 1.5 1.5 3.5 5.5 5.5	10.0 12.0 13.5 15.0 14.5 13.5	8.5 8.5 10.0 11.5 10.5 9.0 	9.0 10.5 11.5 12.5 12.0 11.0 		M2	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	1.0 3.5	.0 .5	2.0 2.0 	8.0 5.0 4.0 4.5 2.5 3.5 2.5 4.5 3.5 5.55 7.5 7.5	MARCH 3.5 2.5 3.0 .550 .0 1.5 3.5 4.0 3.5 3.5	 6.0 3.5 3.5 3.5 3.0 .5 1.0 1.0 1.5 1.5 3.5 5.5 5.5	10.0 12.0 13.5 15.0 14.5 13.5	8.5 8.5 10.0 11.5 10.5 9.0 	9.0 10.5 11.5 12.5 12.0 11.0 			
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	1.0 3.5 	FEBRUAR .0 .5	2.0 2.0 	3.5 2.5 3.5 2.5 4.5 2.5 3.5 3.5 4.5 3.5 7.5 7.5	MARCH 3.5 2.5 3.0 .550 .0 1.5 3.5 4.0 3.5 3.5 3.5 3.5	 6.0 3.5 3.5 3.5 3.0 .5 1.0 1.0 1.5 1.5 3.5 5.5 5.5	10.0 12.0 13.5 15.0 14.5 13.5	8.5 8.5 10.0 11.5 10.5 9.0 	9.0 10.5 11.5 12.5 12.0 11.0 		M2	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	1.0 3.5 	FEBRUAR .0 .5	y .5 2.0 	8.0 5.0 4.0 4.5 2.5 3.5 2.5 4.5 3.5 5.55 7.5 7.5	MARCH 3.5 2.5 3.0 .550 .0 1.5 3.5 4.0 3.5 3.5	 6.0 3.5 3.5 3.5 3.0 .5 1.0 1.0 1.5 1.5 3.5 5.5 5.5	10.0 12.0 13.5 15.0 14.5 13.5	8.5 8.5 10.0 11.5 10.5 9.0 	9.0 10.5 11.5 12.5 12.0 11.0 		M2	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	1.0 3.5 	.0 .5	2.0 2.0 	3.5 3.5 3.5 3.5 4.0 4.0 4.5 2.5 3.5 5.5 7.0 7.5 7.5 7.5 7.5 7.5 7.5	MARCH 3.5 2.5 3.0 .550550 1.5 3.5 4.0 3.5 4.0 3.5 3.5 3.0 2.0	 6.0 3.5 3.5 3.5 3.5 1.0 1.0 1.5 1.5 3.5 5.5 5.5 5.0 4.0 3.5	10.0 12.0 13.5 15.0 14.5 13.5	8.5 8.5 10.0 11.5 10.5 9.0 	9.0 10.5 11.5 12.5 12.0 11.0 		M2	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	1.0 3.5	.0 .5	2.0 2.0 	3.5 3.5 3.5 3.5 3.5 4.5 3.5 5.5 7.0 7.5 4.5 7.5 7.5	MARCH 3.5 2.5 3.0 .550 -0550 1.5 3.5 4.0 3.5 4.0 3.5 3.5 4.0 4.0 4.0	1.0 1.0 1.5 3.5 5.5 5.5 5.5 5.5 5.5	10.0 12.0 13.5 15.0 14.5 13.5	8.5 8.5 10.0 11.5 10.5 9.0 	9.0 10.5 11.5 12.5 12.0 11.0 		M2	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26	1.0 3.5	FEBRUAR .0 .5	2.0 2.0 	3.5 4.0 4.0 4.5 2.5 3.5 4.5 4.5 3.5 5.5 7.5 7.5 7.5 7.5 7.0 7.5	MARCH 3.5 2.5 3.0 .550 .0 1.5 3.5 4.0 3.5 3.5 4.0 3.5 4.0 3.5 3.5 3.0 4.0 4.0	1.0 1.0 1.0 1.5 5.5 5.5 5.5 5.5 5.5 5.5	10.0 12.0 13.5 15.0 14.5 13.5	8.5 8.5 10.0 11.5 10.5 9.0 	9.0 10.5 11.5 12.5 12.0 11.0 			
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 27	1.0 3.5	.0 .5	y .5 2.0	3.5 2.5 3.5 2.5 4.5 2.5 3.5 3.5 2.5 4.5 3.5 7.5 7.0 6.0	MARCH 3.5 2.5 3.0 .550 .05551 .0 1.5 3.5 4.0 3.5 3.5 3.0 2.0 4.0 4.0 3.5 3.5	1.0 1.0 1.5 5.5 5.5 5.5 5.5 5.5 5.5 5.5 5.5	10.0 12.0 13.5 15.0 14.5 13.5	8.5 8.5 10.0 11.5 10.5 9.0 	9.0 10.5 11.5 12.5 12.0 11.0 		M2	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26	1.0 3.5	FEBRUAR .0 .5	2.0 2.0 	3.5 4.0 4.0 4.5 2.5 3.5 4.5 4.5 3.5 5.5 7.5 7.5 7.5 7.5 7.0 7.5	MARCH 3.5 2.5 3.0 .550 .0 1.5 3.5 4.0 3.5 3.5 4.0 3.5 4.0 3.5 3.5 3.0 4.0 4.0	1.0 1.0 1.0 1.5 5.5 5.5 5.5 5.5 5.5 5.5	10.0 12.0 13.5 15.0 14.5 13.5	8.5 8.5 10.0 11.5 10.5 9.0 	9.0 10.5 11.5 12.5 12.0 11.0 			
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	1.0 3.5	FEBRUAR .0 .5	2.0 2.0 	3.5 4.0 4.0 4.5 2.5 3.5 2.5 4.5 3.5 5.5 7.0 7.5 7.0 7.5	MARCH 3.5 2.5 3.0 .550 .0550 1.5 3.5 4.0 3.5 4.0 4.0 4.0 3.5 5.0	1.0 1.0 1.5 5.5 5.5 5.5 5.5 5.5 5.5 5.5 5.5	10.0 12.0 13.5 15.0 14.5 13.5	8.5 8.5 10.0 11.5 10.5 9.0 	9.0 10.5 11.5 12.5 12.0 11.0 		M2	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	1.0 3.5	FEBRUAR .0 .5	2.0 2.0 	3.5 4.0 4.5 2.5 3.5 2.5 4.5 3.5 5.5 7.5 7.5 7.0 7.5 7.5 7.0 6.0 7.5	MARCH 3.5 2.5 3.0 .550 .0 1.5 3.5 4.0 3.5 3.5 3.0 4.0 4.0 4.0	1.0 1.0 1.0 1.5 5.5 5.5 5.5 5.5 5.5 5.5 5.5 5.5	10.0 12.0 13.5 15.0 14.5 13.5	8.5 8.5 10.0 11.5 10.5 9.0 	9.0 10.5 11.5 12.5 12.0 11.0 			

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TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUS!	r		SEPTE	MBER
1				23.0	21.0	22.0	28.5	25.0	26.5			
2				25.0	22.0	23.5	28.5	22.5	25.0			
3	23.5	20.0	21.5	26.5	21.5	24.0	27.0	21.0	23.5			
4	23.0	18.5	20.5	28.5	23.5	26.0						
5	22.5	17.0	19.5	30.5	24.5	27.0						
6	23.0	17.0	19.5	30.5	25.0	27.5						
7	25.0	19.0	22.0	29.5	24.5	26.5						
8	26.5	21.0	23.5	26.5	21.5	24.0						
و	26.5	21.0	23.0	26.5	20.0	23.5						
10	22.0	19.0	21.0	24.5	21.5	23.5						
11	23.0	17.0	20.0	25.0	19.0	21.5						
12	20.0	16.5	18.5	20.5	18.5	19.5						
13	20.5	19.0	19.5	23.5	18.5	20.5						
14	22.0	19.0	20.5	21.5	19.0	20.5						
15	24.5	20.0	21.5	25.0	17.5	21.0						
16	22.5	18.5	20.0	26.5	20.5	23.5						
17	20.0	17.5	18.5	28.5	22.0	25.0						
18	20.5	16.5	18.5	28.5	23.0	25.5						
19	21.5	15.5	18.5	28.0	23.5	25.5						
20	19.0	17.0	18.0	25.0	23.0	24.5						
21	18.0	17.0	17.5	25.0	21.5	23.5						
22	21.5	15.5	18.5	25.5	22.5	24.0						
23	23.5	17.5	20.0	28.5	23.0	25.0						
24	24.0	18.5	21.0	27.0	23.5	25.0						
25	23.0	18.5	21.0	28.5	23.0	25.5						
26	25.0	20.0	22.5	28.0	22.5	25.0						
27	25.0	21.5	23.5	28.5	22.0	25.0						
28	25.5	23.0	24.0	28.0	22.5	25.0						
29	26.5	23.0	24.5	26.5	22.0	24.0						
30	24.0	21.5	22.5	27.0	22.0	24.5						
31				28.5	23.0	26.0						
MONTH	26.5	15.5	20.5	30.5	17.5	24.0						